Test Report
Interlock pavers

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/EE/YNK/PMC/W-7/2018-2019/QR/2
Contractor	Sri A.Sathish Gowda
Location	Bay
Material	Interlock pavers
Sample No	1
Date	5-Apr-2019

SL.NO	DETAILS	FLEXURAL STRENGTH fcr in mpa	CHARACTERISTIC COMPRESSIVE STRENGTH, fck , in, N/Sq.mm	AVG CHARACTERISTIC COMPRESSIVE STRENGTH, fck in N/Sq.mm
1	Paver Block	4.15	35.70	35.97
2	Paver Block	4.15	36.20	
3	Paver Block	4.00	36.00	

Results: s Compressive strength of Interlock pavers is 35.97 N/mm2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

Mecadez Core Technologies Private Limited

Authorised Signature

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Test Report
Rate of Spread of Prime Coat

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/EE/YNK/PMC/W-7/2018-2019/QR/2
Mix Type	Wet Mix Macadam
Contractor	Sri A.Sathish Gowda
Location	At Site
Material	Bitumen
Sample No	1
Date	1-Apr-2019

Sl. No.	Determination	Unit	Test No 1		
			Longitudinal Distribution		
1	Size of Plate (mxn)	m^2	0.2x0.2	0.2x0.2	0.2x0.2
2	Area of the Plate (a)	m^2	0.04	0.04	0.04
3	Initial weight of the empty Plate (b)	kg	1.641	1.641	1.641
4	Final weight of plate after application of Tack Coat (c)	kg	1.694	1.652	1.654
5	Weight of Prime coat/ Tack Coat (d = c-b)	kg	0.053	0.011	0.013
6	Rate of spread (d/a)	kg / m^2	1.325	0.275	0.325
7	Average	kg / m^2	0.642		
8	Specified Limit	kg / m^2	Not less than 0.6 kg / m^2		

Results: Rate of Spread of Prime Coat / Tack Coat is: 0.642 kg / m2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Test Report
Rate of Spread of Prime Coat

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/EE/YNK/PMC/W-7/2018-2019/QR/2
Mix Type	Wet Mix Macadam
Contractor	Sri A.Sathish Gowda
Location	At Site
Material	Bitumen
Sample No	2
Date	1-Apr-2019

Sl. No.	Determination	Unit	Test No 1		
			Longitudinal Distribution		
1	Size of Plate (mxn)	m^2	0.2x0.2	0.2x0.2	0.2x0.2
2	Area of the Plate (a)	m^2	0.04	0.04	0.04
3	Initial weight of the empty Plate (b)	kg	1.641	1.641	1.641
4	Final weight of plate after application of Tack Coat (c)	kg	1.693	1.651	1.653
5	Weight of Prime coat/ Tack Coat (d = c-b)	kg	0.052	0.01	0.012
6	Rate of spread (d/a)	kg / m^2	1.3	0.25	0.3
7	Average	kg / m^2	0.617		
8	Specified Limit	kg / m^2	Not less than 0.6 kg / m^2		

Results: Rate of Spread of Prime Coat / Tack Coat is: 0.617 kg / m2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

MECADEZ

Authorised Signature

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Test Report
Rate of Spread of Prime Coat

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/EE/YNK/PMC/W-7/2018-2019/QR/2
Mix Type	Wet Mix Macadam
Contractor	Sri A.Sathish Gowda
Location	At Site
Material	Bitumen
Sample No	3
Date	1-Apr-2019

Sl. No.	Determination	Unit	Test No 1		
			Longitudinal Distribution		
1	Size of Plate (mxn)	m^2	0.2x0.2	0.2x0.2	0.2x0.2
2	Area of the Plate (a)	m^2	0.04	0.04	0.04
3	Initial weight of the empty Plate (b)	kg	1.641	1.641	1.641
4	Final weight of plate after application of Tack Coat (c)	kg	1.693	1.652	1.654
5	Weight of Prime coat/ Tack Coat (d = c-b)	kg	0.052	0.011	0.013
6	Rate of spread (d/a)	kg / m^2	1.3	0.275	0.325
7	Average	kg / m^2	0.650		
8	Specified Limit	kg / m^2	Not less than 0.6 kg / m^2		

Results: Rate of Spread of Prime Coat / Tack Coat is: 0.650 kg / m2

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Test Report
Aggregate Impact Value

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07,
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/EE/YNK/PMC/W-7/2018-2019/QR/2
Mix Type	Wet Mix Macadam
Contractor	Sri A.Sathish Gowda
Material	Coarse Aggregate
Test Method	IS : 2386 (Part - 4) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	At Site
Sample No	1
Date	28-Mar-2019

Sl. No.	Determination	Unit	Trails	
1	Weight of empty cylinder, w1	gm	960	960
2	Weight of container filled with Aggregate, w2	gm	1309	1308
3	Weight of the Aggregate before compaction, (w2 - w1) = w3	gm	349	348
4	Weight of the sample passing through 2.36 mm IS sieves after Impact, w4	gm	82	81
5	Weight of the sample retained on 2.36 mm IS sieve after Impact, w5	gm	267	267
6	Aggregate Impact Value (w4 / w3)x100	%	23.50	23.28
7	Specified Limit	%	30	

Results: Average Aggregate Impact Value: **23.39** %

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Test Report

Aggregate Particle Shape

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/EE/YNK/PMC/W.7/2018-2019/QR/2
Mix Type	Wet Mix Macadam
Contractor	Sri A.Sathish Gowda
Test Method	IS : 2386 (Part - 1) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	At site
Material	Coarse Aggregates
Sample No	1
Date	28-Mar-2019

I.S. Sieves Size		Weight of Retained Sample on Each Sieve (minimum 200 Pieces) (gm)	Flakiness Index		Elongation Index	
Passing through IS Sieves (mm)	Retained on IS Sieves (mm)		Thickness Gauge	Weight of Aggregates in each fraction passing on thickness gauges (gm)	Length Gauge	Weight of Aggregates in Fraction retained on length gauges (gm)
63	50	0	33.9	0	-	0
50	40	0	27	0	81	0
40	25	25	19.5	0	58.5	0
31.5	25	35	16.95	0	-	0
25	20	1561	13.5	241	40.5	259
20	16	1444	10.8	123	32.4	150
16	12.5	952	8.55	147	25.6	154
12.5	10	463	6.75	65	20.2	71
10	6.3	234	4.89	56	14.7	63
	SW	4714	SWf	632	SWe	697

Flakiness Index 13.41 %

Elongation Index 14.79 %

Combined Flakiness and Elongation Indices : 28.19 %

Comments: Maximum allowable Combined Flakiness and Elongation Indices for WMM is 35%

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Test Report
Aggregate Gradation

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/EE/YNK/PMC/W-7/2018-2019/QR/2
Mix Type	Wet Mix Macadam
Contractor	Sri A.Sathish Gowda
Test Method	IS : 2386 (Part - 1) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Wet Mix Plant
Material	Coarse Aggregates
Sample No	1
Date	28-Mar-2019

Weight of Sample: 4000 gms

Sl. No.	I.S. Sieve size (mm)	Weight Retained (gm)	Percentage of weight Retained (%)	ive Percentage of weight retained (%)	Cumulative % of Passing		Remarks
					Test Result	Gradation Limits as per MORT&H	
1	53	0	0	0	100	100	Gradation satisfies the MORT&H Specification for Wet Mix macadam
2	45	106	2.65	2.65	97.35	95-100	
3	22.4	1105	27.63	30.28	69.72	60-80	
4	11.2	805	20.13	50.41	49.59	40-60	
5	4.75	712	17.8	68.21	31.79	25-40	
6	2.36	406	10.15	78.36	21.64	15-30	
7	0.06	303	7.58	85.94	14.06	(8-22)	
8	0.075	443	11.08	97.02	2.98	0-5	

Note:

i. The results indicated above are based on the tests carried out on the sample at site.

ii. The results relate only to the items tested.

iii. This test report should not be reproduced except in full, without written approval of this laboratory.

iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

Authorised Signature

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Test Report
Liquid and Plastic Limit by Cone Apparatus

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/EE/YNK/PMC/W-7/2018-2019/QR/2
Mix Type	Wet Mix Macadam
Contractor	Sri A.Sathish Gowda
Test Method	Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	Wet Mix Plant
Material	Coarse Aggregates
Sample No	1
Date	28-Mar-2019

Sl No	Description	Unit	Liquid Limit	Plastic Limit
	Penetration	mm	**Non Plastic**	**Non Plastic**
1	Container No	no		
2	Weight of container,(A)	gm		
3	Weight of container + wet soil, (B)	gm		
4	Weight of container + dry soil, (C)	gm		
5	Weight of water, D=(B - C)	gm		
6	Weight of dry soil, E=(C - A)	gm		
7	Water Content, D/E x 100 (%)	gm		

Comments: <6 so Non Plastic

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

MECADEZ

Authorised Signature

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Test Report
Field Density Test by Sand Replacement Method

Project Name	Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 07, Byadrayanapura of Yelahanka Zone
Client	Project Division Yelahanka ZONE
Job No	MCTPL/BBMP/EE/YNK/PMC/W-7/2018-2019/QR/2
Mix Type	Wet Mix Macadam
Contractor	Sri A.Sathish Gowda
Test Method	IS: 2720 (Part - 16) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	bay
Material	Wet Mix Macadam
Sample No	1
Date	2-Apr-2019

Test Hole No	**1**
MDD	2.24
OMC in %	3.2
Bulk Density Ys	1.392
Weight of Sand In cone W1 (gm)	1195
Weight Of Wet soil From Hole (W2)	4322
Wt Of Sand +Cylinder Before Pouring (W3)gm	17000
Wt Of Sand +Cylinder After Pouring (W4) gm	13176
Wt Of Sand In Hole: W5 = W3 - W4- W1 (gm)	2629
Volume of Hole: V= W5/ Ys	1888.65
Bulk Density Yb= W2/V (gm/cc)	2.29
Moisture Meter Reading (%)	1.58
Moisture Content : w (From Graph In %)	3.25
Dry Density Yd = Yb/(1+W/100)	2.22
Field Compaction(%)	98.95

Note:

i. The results indicated above are based on the tests carried out on the sample at site.
ii. The results relate only to the items tested.
iii. This test report should not be reproduced except in full, without written approval of this laboratory.
iv. Any query regarding the report must be reported immediately.

For Mecadez Core Technologies Private Limited

MECADEZ

Authorised Signature

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore